FIG. 1A

CONVENTIONAL DRAWING METHOD OF EXPRESSING GRAYSCALE

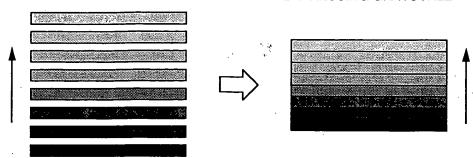


FIG. 1B

DRAWING METHOD OF EXPRESSING GRAYSCALE USING RECTANGULAR GRADIENT FILL OBJECT

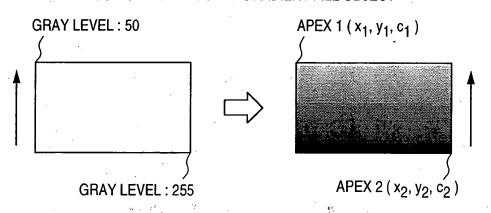
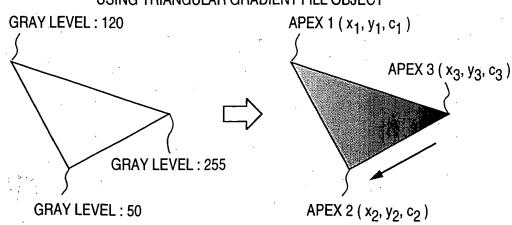
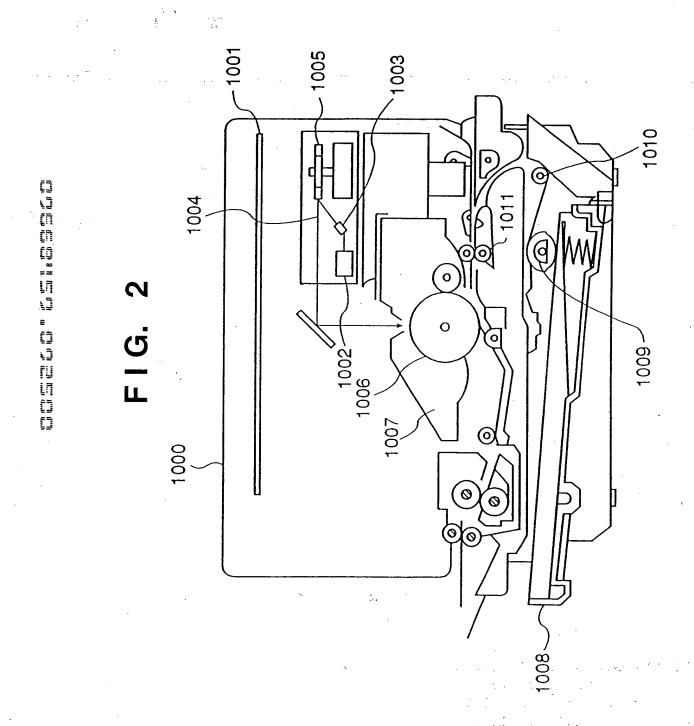


FIG. 1C

DRAWING METHOD OF EXPRESSING GRAYSCALE USING TRIANGULAR GRADIENT FILL OBJECT

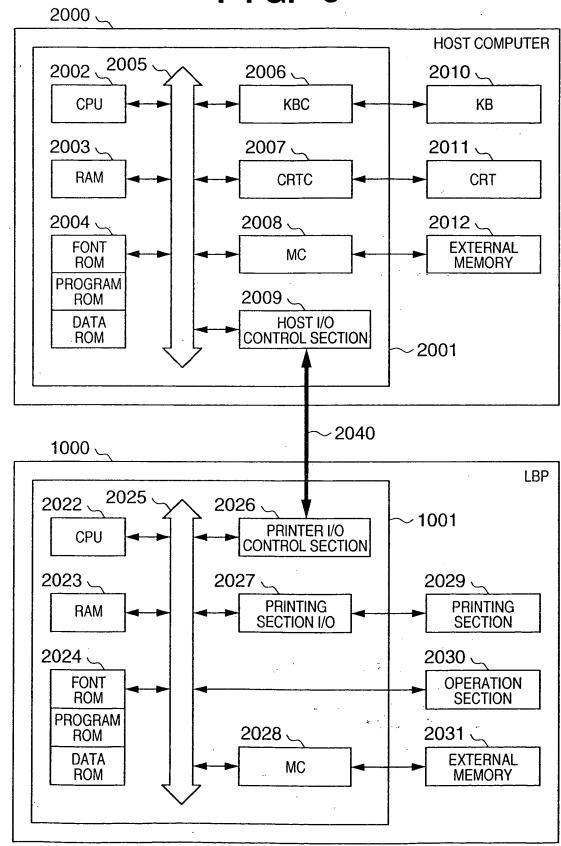




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FIG. 3



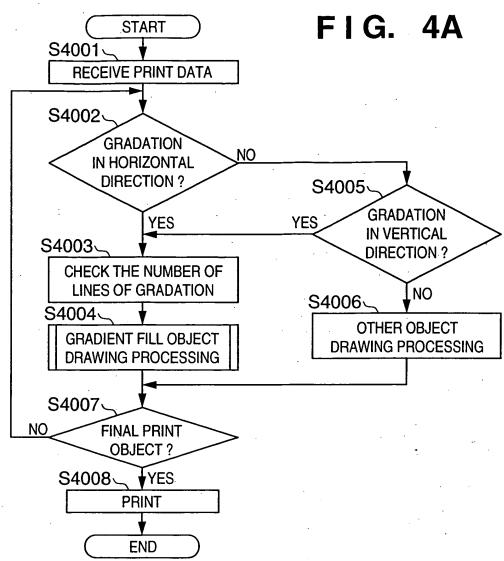


FIG. 4B

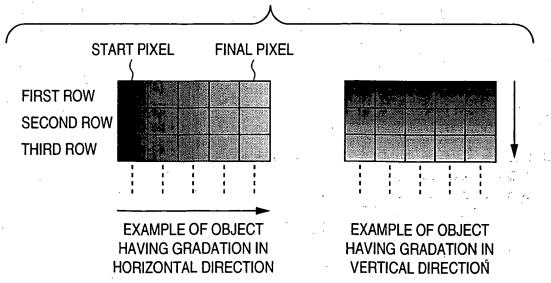


FIG. 5

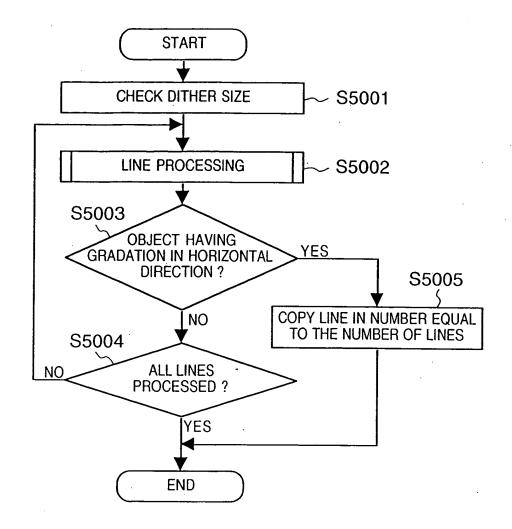
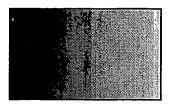
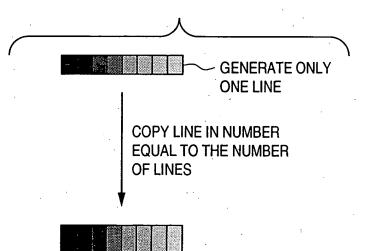


FIG. 6A



OBJECT HAVING GRADATION IN HORIZONTAL DIRECTION

FIG. 6B



HIGH-SPEED GENERATION METHOD OF GENERATING OBJECT WHICH HAS GRADATION IN HORIZONTAL DIRECTION AND REPEATS THE SAME PATTERN IN VERTICAL DIRECTION

FIG. 7

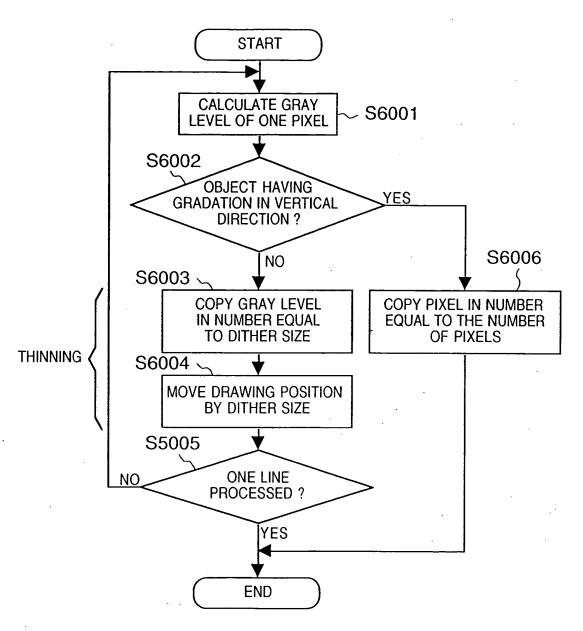


FIG. 8A



OBJECT HAVING GRADATION IN VERTICAL DIRECTION

FIG. 8B

START PIXEL (FIRST LINE)

COPY PIXEL IN NUMBER EQUAL TO THE NUMBER OF LINES

START PIXEL (SECOND LINE)

COPY PIXEL IN NUMBER EQUAL TO THE NUMBER OF LINES

HIGH-SPEED GENERATION METHOD OF GENERATING OBJECT WHICH HAS GRADATION IN VERTICAL DIRECTION AND REPEATS THE SAME PATTERN IN HORIZONTAL DIRECTION

FIG. 9A

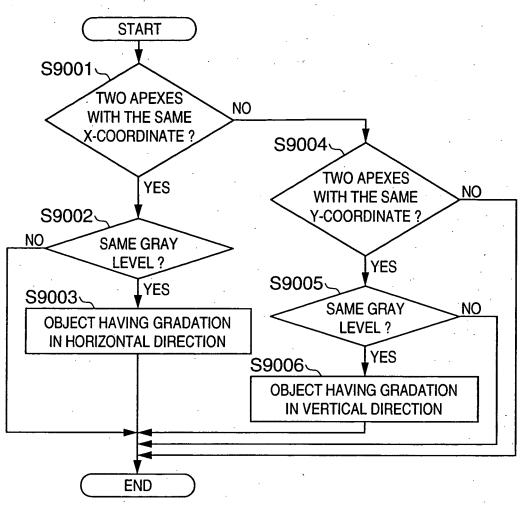
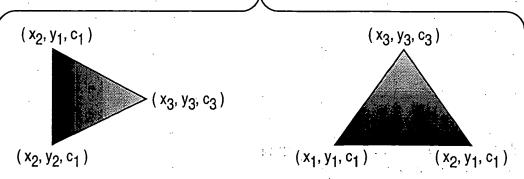


FIG. 9B



EXAMPLE OF OBJECT WHICH HAS GRADATION IN HORIZONTAL DIRECTION AND TWO APEXES AT THE SAME X-COORDINATE EXAMPLE OF OBJECT WHICH HAS GRADATION IN VERTICAL DIRECTION AND TWO APEXES AT THE SAME Y-COORDINATE